28 B/21 (08-00)

PTO/SB/21 (08-00) Approved for use through 10/31/2002. OMB 0651-0031 Please type a plus sign (+) inside this box -> [+] U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Inder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. 09/944,472 **Application Number TRANSMITTAL** August 30, 2001 Filing Date **FORM** James J. Howarth First Named Inventor 2815 Group Art Unit used for all correspondence after initial filing) J. Diaz **Examiner Name** 4348US (MUEI-0547.00/US) Attorney Docket Number ENCLOSURES (check all that apply) Terminal Disclaimer Information Disclosure Statement, Postcard receipt acknowledgment PTO/SB/08A; Copy of cited (attached to the front of this references transmittal) Terminal Disclaimer Supplemental-Information Disclosure Duplicate copy of this transmittal Statement; PTO/SB/08A; copy of cited sheet in the event that additional references and Check No. 5024 in the filing fees are required under amount of \$180.00 37 C.F.R. § 1.16 Terminal Disclaimer Associate Power of Attorney Preliminary Amendment Petition for Extension of Time and Response to Restriction in the amount of Check No. Requirement/Election of Species Requirement dated Petition Amendment in response to office action dated Fee Transmittal Form Other Enclosure(s) Amendment under 37 C.F.R. § (please identify below): 1.116 in response to final office action dated Certified Copy of Priority Document(s) Additional claims fee - Check No. Assignment Papers (for an Application) in the amount of \$ Letter to Chief Draftsman and copy with changes made_ of FIGS. in red Remarks Transmittal of Formal Drawings The Commissioner is authorized to charge any additional fees required but not submitted with any document or request requiring fee payment under 37 C.F.R. §§ sheets) 1.16 and 1.17 to Deposit Account 20-1469 during pendency of this application. Formal Drawings (SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Registration No. 46,801 Bradley B. Jensen Firm or Individual name Signature September 25, 2003 Date CERTIFICATE OF MAILING I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Deidra Pfeil Typed or printed name September 25, 2003 Date

Burden Hour Statement: This form is estimated to take 0.2 Hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this tent should be send to the Chief Internation Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND O: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

1







In re Application of:

James J. Howarth

Serial No.: 09/944,472

Filed: August 30, 2001

For: METHOD OF BALL GRID ARRAY (BGA) ALIGNMENT, METHOD OF TESTING, ALIGNMENT APPARATUS AND SEMICONDUCTOR DEVICE ASSEMBLY

Confirmation No.: 1559

Examiner: J. Diaz

Group Art Unit: 2815

Attorney Docket No.: 4348US

(MUEI-0547.00/US)

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 1460.

September 25, 2003

Date

Deidra feil Name (Type/Print)

0CT -6 2003 TC 2800 MAIL ROOP

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08A be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a). The listed documents were cited by the Office in co-pending application Serial No. 09/416,368, filed on October 12, 1999, and directed to a related invention.

10/02/2003 SFELEKE1 00000015 0994472

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent	Documents
-------------	------------------

Publication Dat	<u>Patentee</u>
06/13/1978	Yoshimura et al.
09/01/1987	Solstad
10/02/1990	Geist et al.
10/30/1990	Farnsworth
09/20/1994	Lee et al
10/04/1994	Wallace et al. C
05/09/1995	Russell 5 5
09/10/1996	Russell 6 E V
06/30/1998	Ishikawa etgal.
01/19/1999	Sono et al.
	06/13/1978 09/01/1987 10/02/1990 10/30/1990 09/20/1994 10/04/1994 05/09/1995 09/10/1996 06/30/1998

Applicants offer to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed after the mailing date of the first Office Action on the merits.

The fee pursuant to 37 C.F.R. § 1.17(p) is enclosed.

Respectfully submitted,

Bradley B. Jensen

Registration No. 46,801

Attorney for Applicant

TRASKBRITT

P.O. Box 2550

Salt Lake City, Utah 84110-2550

Telephone: 801-532-1922

Date: September 25, 2003

BBJ/jml:djp

Enclosures: Form PTO/SB/08A

Copy of documents cited

Check in the amount of \$180.00

Document in ProLaw

TC 2800 MAIL ROOM

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

substitute for form 1449A/PTO

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of

 Complete if Known

 Application Number
 09/944,472

 Filing Date
 August 30, 2001

 First Named Inventor
 James J. Howarth

 Group Art Unit
 2815

 Examiner Name
 J. Diaz

 Attorney Docket Number
 4348US (MUEI-0547.00/US)

	Cite	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	No.1					
		US-4,095,253 06/13/1978	06/13/1978	Yoshimura et al.		
		·US- 4,689,875	09/01/1987	Solstad		
		US- 4,961,107	10/02/1990	Geist et al.		
		US- 4,967,262	10/30/1990	Farnsworth		
		US- 5,349,235	09/20/1994	Lee et al.		
		US- 5,352,851	10/04/1994	Wallace et al.		
		US- 5,413,970	05/09/1995	Russell		
		US- 5,555,488	09/10/1996	McLellan et al.		
		US- 5,773,321	06/30/1998	Ishikawa et al.		
		US- 5,861,669	01/19/1999	Sono et al.	·	
		US-				
		US-				
		US-			00:T	
		US-			읒 그	
		US-				
		US-				
		US-				
		US-				
		US-			o	

	1	Foreign Patent Document		MENTS Name of Patentee or	Pages, Columns, Lines,	
Examiner Initials*	Cite No.	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Т°
						

Examiner Signature	Date Considered	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.